

RENOLIT HI-TEMP 460

Synthetic special EP grease

Description

RENOLIT HI-TEMP 460 is a fully synthetic special lubricating grease with lithium complex soap.

RENOLIT HI-TEMP 460 has a low friction coefficient to reduce starting and running torque, and to improve its efficiency.

RENOLIT HI-TEMP 460 has excellent anti-corrosion properties even under adverse environmental factors (moist, aggressive atmosphere and water).

RENOLIT HI-TEMP 460 is very aging resistant, resists high thermal loads, is work stable and water resistant.

Application

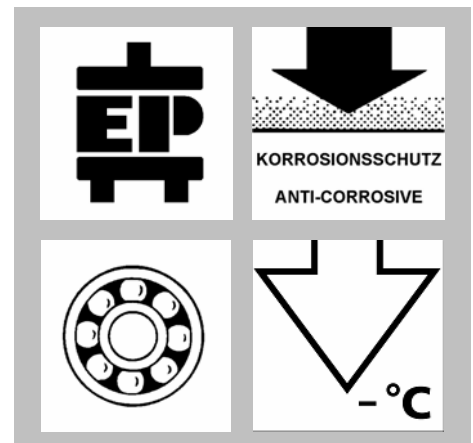
RENOLIT HI-TEMP 460 is used for lubrication of plain and roller bearings of conveyor gears (e.g. in open cast mining), pellet presses, paper mills, and for lifetime lubrication in trucks and construction machines.

Advantages

- Temperature range -40 °C to +140 °C
- At constant lubrication applicable until +200 °C
- Good aging resistance
- Excellent corrosion protection
- Good anti-wear properties
- Low friction coefficient

Shelf Life

The minimum shelf life is 36 months if the product is properly stored between 0°C and 40°C in its unopened original container in a dry place. The indication of a minimum shelf life does not include any guarantee of durability.



RENOLIT HI-TEMP 460

Synthetic special EP grease

Characteristics

Properties	Unit	Data	Test method
Classification	-	KPHC 2 N-40 ISO-L-X-DDFB 2	DIN 51 502 ISO 6743-9
Colour	-	ivory	-
Thickener	-	lithium complex soap	-
Dropping point	°C	> 250	IP 396
Worked penetration (Pw 60)	0.1 mm	265 – 295	DIN ISO 2137
NLGI-grade	-	2	DIN 51 818
Corrosion protection properties (SKF-Emcor-Test with dist. Water)	degree of corr.	0 – 0	DIN 51 802
Water resistance	eval.-stage	1 – 90	DIN 51 807-1
Four-ball welding load	N	2600	DIN 51 350-4
Flow pressure -40°C	hPa	< 1400	DIN 51 805
Oil separation at 18h / 40°C	%	< 1	DIN 51 817
Oxidation stability	bar	0,5	DIN 51 808
Base oil viscosity at 40°C at 100°C	mm ² /s	460 45,3	DIN 51 562-1
Temperature range	°C	-40 up to +140	DIN 51 825

PRELIMINARY PI 5-2126e, Page 2/3, PM 5, 07/11



RENOLIT HI-TEMP 460

Synthetic special EP grease

The information contained in this product information is based on the experience and know-how of FUCHS EUROPE SCHMIERSTOFFE GMBH in the development and manufacturing of lubricants and represents the current state-of-the-art. The performance of our products can be influenced by a series of factors, especially the specific use, the method of application, the operational environment, component pre-treatment, possible external contamination, etc. For this reason, universally-valid statements about the function of our products are not possible. The information given in this product information represents general, non-binding guidelines. No warranty expressed or implied is given concerning the properties of the product or its suitability for any given application.

We therefore recommend that you consult a FUCHS EUROPE SCHMIERSTOFFE GMBH application engineer to discuss application conditions and the performance criteria of the products before the product is used. It is the responsibility of the user to test the functional suitability of the product and to use it with the corresponding care.

Our products undergo continuous improvement. We therefore retain the right to change our product program, the products, and their manufacturing processes as well as all details of our product information sheets at any time and without warning. With the publication of this product information, all previous editions cease to be valid.

Any form of reproduction requires express prior written permission from FUCHS EUROPE SCHMIERSTOFFE GMBH.

© FUCHS EUROPE SCHMIERSTOFFE GMBH. All rights reserved.